

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081574 A2

(51) International Patent Classification⁷: **H04Q 11/04**

(21) International Application Number:
PCT/EP2005/050214

(22) International Filing Date: 19 January 2005 (19.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/546,421 20 February 2004 (20.02.2004) US

(71) Applicant (for all designated States except US):
SIEMENS AKTIENGESELLSCHAFT [DE/DE];
Wittelsbacherplatz 2, 80333 München (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KARIMI-
CHERKANDI, Bizhan** [AT/US]; 9740 Vineyard Court,
Boca Raton, Florida 33428 (US). **KOUCHRI, Farrokh
Mohammadzadeh** [AT/US]; 10623 Plainview Cir., Boca
Raton, Florida 33498 (US).

(74) Common Representative: **SIEMENS AKTIENGE-
SELLSCHAFT**; Postfach 22 16 34, 80506 München
(DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

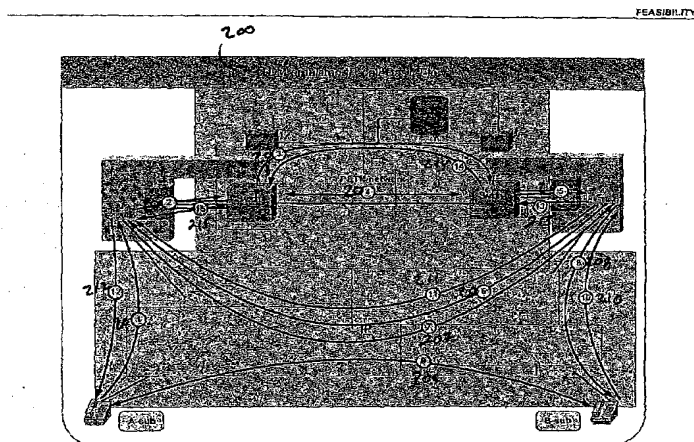
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

[Continued on next page]

(54) Title: EMULATED IP-CALL & SERVICES SYSTEM METHOD & APPARATUS



(57) Abstract: An IP-subscriber connection is introduced in correspondence to an existing TDM connection between a subscriber A on an A side of the TDM connection and a subscriber B on a B-side of the TDM connection. A set up signal including IP connection information and a caller ID of the subscriber A is sent to the B-side over the existing TDM connection. The A-side is invited to set up an IP connection from the B-side including IP connection information and a caller ID of the subscriber B. Next, the IP-subscriber connection is established based on the IP connection information and caller ID from the subscriber A and the subscriber B. There is further provided TDM call services and features for this IP-subscriber connection. The IP-concentrator sets a trigger that causes a TDM switch on the A-side to pass control of an incoming call to the IP concentrator on the A-side. The TDM switch is instructed to resume call processing of the incoming call when the trigger is triggered.

WO 2005/081574 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.